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AMSAT NEWS SERVICE
ANS-157
The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to:
ans-editor at amsat.org.

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ANS-157 AMSAT News Service Weekly Bulletins

AMSAT News Service Bulletin 157.01
 >From AMSAT HQ KENSINGTON, MD.
DATE June 5, 2016
To All RADIO AMATEURS
BID: $ANS-157.01

2016 AMSAT-NA Board of Directors Nominations Notice

It's time to submit nominations for the upcoming AMSAT-NA Board of Directors election. Three director's terms expire this year: Tom Clark, K3IO, JoAnne Maenpaa, K9JKM, and Lou McFadin, W5DID. In addition, up to two Alternates may be elected for one year terms.

A valid nomination requires either one Member Society or five current individual members in good standing to nominate an AMSAT-NA member for Director. Written nominations, consisting of the nominee's name and call, and the nominating individual's names, calls and individual signatures should be mailed to: AMSAT-NA, 10605 Concord St, #304 Kensington, MD 20895-2526.

In addition to traditional submissions of written nominations, which

is the preferred method, the intent to nominate someone may be made by electronic means. These include e-mail, Fax, or electronic image of a petition. Electronic petitions should be sent to MARTHA at AMSAT.ORG or Faxed to (301)822-4371.

No matter what means is used, petitions MUST arrive no later than June 15th at the AMSAT-NA office. If the nomination is a traditional written nomination, no other action is required. If it is other than this, i.e. electronic, a verifying traditional written petition MUST be received at the AMSAT-NA office at the above address within 7 days following the close of nominations on June 15th.

ELECTRONIC SUBMISSIONS WITHOUT THIS SECOND, WRITTEN VERIFICATION ARE NOT VALID UNDER THE EXISTING AMSAT-NA BYLAWS.

[ANS thanks AMSAT-NA Secretary, Paul Stoetzer, N8HM, for the above information]

French Schools to Talk to ISS

ARISS-F and AMSAT-F have announced the 13 French schools that have been selected for amateur radio contacts with ISS astronaut Thomas Pesquet, KG5FYG.

He is planned to launch to the International Space Station in November 2016. The 13 French schools selected represents 66% of planned ARISS contacts for Europe.

AMSAT-F article in Google English
http://tinyurl.com/ARISS-Thomas-Pesquet

ARISS-F list of selected schools
http://tinyurl.com/ARISS-F

Thomas Pesquet KG5FYG on Twitter
https://twitter.com/Thom_astro

[ANS thanks ARISS-F and AMSAT-UK for the above information]

A Dozen Schools/Organizations Move Closer to Hosting a Ham Radio Contact with the ISS Crew

The Amateur Radio on the International Space Station (ARISS) program has announced that 12 schools or organizations that submitted proposals to host an Amateur Radio contact with a member of the ISS crew have moved into the next stage of the selection process. Contacts would take place during the first half of 2017. The 12 semifinalists, in eight states, must now complete
an acceptable equipment plan that demonstrates their ability to execute the ham radio contact. Once the ARISS technical team approves the equipment plan,
the selected schools/organizations will be scheduled, matching their

availability and flexibility with the scheduling opportunities that NASA can offer.

The schools and organizations are:

Blair Pointe Upper Elementary School, Peru, Indiana
Brook Haven School, Sebastopol, California
Greater Niagara Frontier Council BSA, Buffalo, New York
McBride High School, Long Beach, California
Palmetto Scholars Academy, North Charleston, South Carolina
Rainbow Middle School, Rainbow City, Alabama
SCaN/Glenn Research Center, Brook Park, Ohio
Space Center Houston, Houston, Texas
St Joseph School, Ronkonkoma, New York
Student Space Technology Association, Knoxville, Tennessee
Virginia Reinhardt Elementary School, Rockwall, Texas
Warwick Valley Central School District, Warwick, New York

The primary goal of the ARISS program is to engage young people in Science, Technology, Engineering, and Math (STEM) activities and raise their awareness
of space exploration, space communications and related areas of study and career possibilities.

[ANS thanks ARISS and the ARRL for the above information]

Amateur Satellite Launch from India

Mineo Wakita JE9PEL reports on the Indian ISRO PSLV-C34 amateur radio satellite launch planned for June 10, 2016 at 0355 UT into a 500 km 98 degree inclination orbit.

Main Payload, Cartosat-2C, Earth Observing
PSLV-XL(C-34), Satish Dharwan Space Centre, Sriharikota, India

Satellite	Uplink	Downlink	Beacon	Mode
BEESAT-4	435.950	435.950	4800bps	GMSK,CW
BIROS	437.525		4800bps	GMSK
LAPAN-A3				Non-Amateur
Max Valier	145.860	145.960	CW	
Sathyabamasat	145.980		2400bps	BPSK
Swayam COEP	437.025	437.025	1200bps	BPSK,CW
Venta-1		437.325	CW	

http://www.ne.jp/asahi/hamradio/je9pel/be4lapan.htm

Among the satellites being launched is Swayam-1 developed by students at the
College of Engineering Pune (COEP). It will provide a text messaging facility using the COEPSAT protocol.
see
http://amsatindia.org/coep-satellite-swayam-project/
http://www.coep.org.in/csat/track-swayam/

UPDATE: Yono YD0NXX reports the Indonesian built LAPAN-A3 does not have an amateur radio payload.

[ANS thanks AMSAT-UK for the above information]

ÑUSAT-1 SSB/CW Transponder Satellite Launched

ÑUSAT-1, carrying an amateur radio 435/145 MHz linear transponder and a 436 MHz telemetry beacon, was launched May 30, 2016 at 0317 UT on a CZ-4B rocket from Taiyuan. With ÑUSAT-1 on the launch was its sister satellite ÑUSAT-2 which has a 437 MHz beacon.

UPDATE May 30, 2016 at 1300 UT: ÑUSAT-1 and ÑUSAT-1 launched and deployed successfully, signals reported from both telemetry beacons. Satellogic reports
“All Systems: Nominal”.

AMSAT-LU reports both satellites are sending strong TLM on 436.445/437.445 at 9K6/19K2 GFSK. During first few days they are being stabilized, after that
the U/V linear transponder will be activated on ÑUSAT-1. A notice will be given on the AMSAT Bulletin Board (AMSAT-BB).

As we quoted when the announcement of the launching of this experiment, Amsat
Argentina has been working for several years to keep alive the dream of many Argentine amateurs to get back into Space with their own satellite as a follow-
on of the legendary 1990’s LUSAT-1, reaping the benefits of Technological advancement of our days.

We believe technical activities and developments of experiments in near space
share the same goals: preserving the human group, enhancing their capabilities
as well as disseminate and guiding the education and development of the activity, meanwhile contributing to Space available resources.

Our agreement with Satellogic Enterprises, which already launched three low orbit satellites: Captain Beto, Manolito y Tita, two of which transmit telemetry and data currently in UHF identifying themselves with callsign LU7AA,
allowed us to ride a linear analog amateur radio transponder and corresponding
antenna aboard one of their next satellite, ÑUSAT-1

AMSAT-LU provides simultaneously, support for this mission and the ÑUSAT-2 mission, by operating one of the control stations at Tortuguitas, Prov. Of Bs.As.

The experiment Amsat-LU developed, evolved from original design of our colleague and partner William, PE1RAH, while electronic adaptation, mechanical
and software was made by the LU Satellite Experiment group, mounted on a 10 x
10 centimeters radiating plate, in which components of the power supply as well
as a duplexer and dual band antenna where also incorporated.

This set was installed on the Ñusat-1 bus, which supplies power and becomes

part of several other experiments this satellite will make.

The transponder receives UHF which is broadcasted in VHF, has a bandwidth of
30 kHz. with an output power of 250 mW.

435.935 ~ 435.965 are LSB/CW uplink passband
145.965 ~ 145.935 are USB/CW downlink passband
145.900 Basic CW Telemetry

The launch will be from a Chinese launcher in a polar orbit at 500 km.
height,
with inclination of 97 degrees from Equator.

see
http://www.amsat.org.ar
https://www.facebook.com/Amsat.LU
http://lusex.org.ar
http://amsat.org.ar/pass.htm

[ANS thanks AMSAT-UK and AMSAT-Argentia for the above information]

ZF2AE from Grand Cayman via Satellite

Cayman Islands (EK99) - Adrian, AA5UK will be QRV as ZF2AE from Grand Cayman, IOTA NA-016 from June 27, 2016 - July 2, 2016. Activity is holiday style on 40 to 6 meters mostly RTTY/PSK, including satellite activity from grid EK99HI41RB. He will also be active in the DL DX RTTY contest in the Single Operator, Multiband, Single Radio category. QSL to home call, bureau, LOTW preferred. For pass updates, see @AA5UK on Twitter

http://www.amsat.org/?page_id=3921

[ANS thanks JoAnne, K9JKM for the above information]

AMSAT Events

Information about AMSAT activities at other important events around the country. Examples of these events are radio club meetings where AMSAT Area Coordinators give presentations, demonstrations of working amateur satellites, and hamfests with an AMSAT presence (a table with AMSAT literature and merchandise, sometimes also with presentations, forums, and/or demonstrations).

*Friday and Saturday, 10-11 June 2016 – Ham-Com 2016 in Irving TX

*Saturday, 11 June 2016 – Prescott Hamfest in Prescott AZ

*Wednesday, 6 July 2016 – Chehalis Valley Amateur Radio Society meeting in Chehalis WA

*Saturday, 13 August 2016 – KL7KC Hamfest in Fairbanks AK

[ANS thanks AMSAT-NA for the above information]

ARISS News

Sucessful Contacts

* Venta School, Carp, ON, Canada, telebridge via IK1SLD
The ISS callsign is presently scheduled to be OR4ISS
The scheduled astronaut is Jeff Williams KD5TVQ
Contact was successful: Mon 2016-05-30 19:01:25 UTC 32 deg

A telebridge contact via IK1SLD with students at Venta School,Carp,
Ontario, Canada was successful 2016-05-30 19:01:25 UTC 32 deg. Astronaut
Jeff Williams answered 12 questions for an audience of 150 students and
teachers.

Venta Preparatory School is a small co-ed day and boarding school from
Junior Kindergarten to Grade 10, located just outside of Ottawa in Carp,
Ontario. We foster and continually enhance an environment where each
student can grow and achieve their highest potential.

Upcoming Contacts

* Bouze Island Elementary and Junior High School, Homeji, Japan,
direct via 8N3B
The ISS callsign is presently scheduled to be NA1SS
The scheduled astronaut is Timothy Peake KG5BVI
Contact is a go for: Sat 2016-06-04 08:31:09 UTC 74 deg

Bouze Island is one of the Ieshima small Islands which are located in the
Seto Inland sea of Hyogo Prefecture in Japan. There are about 1400 people
on the island and are part of the marine products industry. They live with
simplicity and are friendly. But the students of this Island have not had
a chance for scientific experience as part of their school education
because of their remote location. There are 140 persons in the elementary
school and 100 persons in the junior high school.

* Glenmore State High School, Rockhampton, Queensland, Australia,
telebridge via W6SRJ
The ISS callsign is presently scheduled to be NA1SS
The scheduled astronaut is Tim Kopra KE5UDN
Contact is a go for: Mon 2016-06-06 08:39:31 UTC 31 deg

Watch
http://www.ariss.org/upcoming-contacts.html
for information about upcoming contacts as they are scheduled.

[ANS thanks ARISS, Dave, AA4KN, and Charlie, AJ9N for the above information]

Satellite Shorts From All Over

N5AFV Reaches 57,000 Satellite Contacts

George, WA5KBH reports on the AMSAT-BB that on the FO29 west pass on
May 29 I had the privilege of being Allen's (N5AFV) 57,000th contact!
Well done, My Good friend!!!
And Hector (W5CBF) was his 57,001th!

[ANS thanks George, WA5KBH for the above information]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

Primary and secondary school students are eligible for membership at one-half the standard yearly rate. Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status. Contact Martha at the AMSAT Office for additional student membership information.

73,
This week's ANS Editor,
Joe Spier, K6WAO
k6wao at amsat dot org